

# FILE NOTATIONS

Entered in NID File ☒

Entered On S R Sheet ☐

Location Map Pinned ☒

Card Indexed ☒

I W R for State or Fee Land ☐

Checked by Chief *PJB*

Copy NID to Field Office ☒

Approval Letter ☐

Disapproval Letter ☐

## COMPLETION DATA:

Date Well Completed *12-31-64*

Location Inspected ☐

OW \_\_\_\_\_ WW \_\_\_\_\_ TA \_\_\_\_\_

Bond released ☐

GW \_\_\_\_\_ OS \_\_\_\_\_ PA ☒

State of Fee Land ☐

## LOGS FILED

Driller's Log *11-24-64*

Electric Logs (No. *2*)

E \_\_\_\_\_ I *(dup)* E-I \_\_\_\_\_

GR \_\_\_\_\_

GR-N *(dup)*

Micro \_\_\_\_\_

*Dual-Drill* Lat. *L*

Mi-L \_\_\_\_\_

Sonic *gr*

Others \_\_\_\_\_

*Gulf took over operations for the British Amer Oil Prod. (1966)*

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

## 1a. TYPE OF WORK

DRILL ☒DEEPEN ☐PLUG BACK ☐

## b. TYPE OF WELL

OIL  
WELL ☒GAS  
WELL ☐

OTHER

SINGLE  
ZONE ☒MULTIPLE  
ZONE ☐

## 2. NAME OF OPERATOR

The British-American Oil Producing Company

## 3. ADDRESS OF OPERATOR

P. O. Box 180, Denver, Colorado 80201

## 4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*)

At surface

NW NW - 510' FNL and 510' FNL ✓

At proposed prod. zone

Same

## 14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*  
LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. line, if any)

Est. 4770'

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

## 16. NO. OF ACRES IN LEASE

23 1/2.40 ✓

## 19. PROPOSED DEPTH

6000' ✓

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80 ✓

## 20. ROTARY OR CABLE TOOLS

Rotary ✓

## 21. ELEVATIONS (Show whether DF, RT, GR, etc.)

4930' KB Est. 4913' G

## 22. APPROX. DATE WORK WILL START\*

10-5-64

## 23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48#	100'	Cemented to Surface
11"	8-5/8"	24#	1200'	150 Ss.
7-7/8"	5-1/2"	14# & 15.5#	1000'	300 Ss.

To drill and test subject well in the Ismay and Desert Creek formations. Coring: If warranted by samples, 50' of core will be cut in the Ismay from approx. 5680 to 5730. Testing: If contents of sand based on cores, samples, or logs are questionable, a DST will be taken. Logging: Dual Ind.-Laterolog from TD to bottom of intermediate or surface casing. Comb. GR-Sonic-Caliper log from TD to intermediate or surface casing. Run GR, Sonic from intermediate or surface casing shoe to surface. Run GR, Cement Bond log in conjunction with perforating. Use Geolograph from surface to TD. Drift Surveys: At 50' intervals to 300', thereafter as per contract. Depth Measurements: SLM of drill pipe at approx. 4000', prior to coring, testing, logging, or running pipe and at TD. Samples: 10' samples from GL to TD.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. Original Signed  
By Thomas M. Hogan  
SIGNED Thomas M. Hogan  
TITLE District Superintendent  
DATE September 21, 1964  
(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions On Reverse Side

COMPANY BRITISH AMERICAN OIL PRODUCING COMPANY

Well Name & No. NAVAJO TRIBAL "G" No. 1

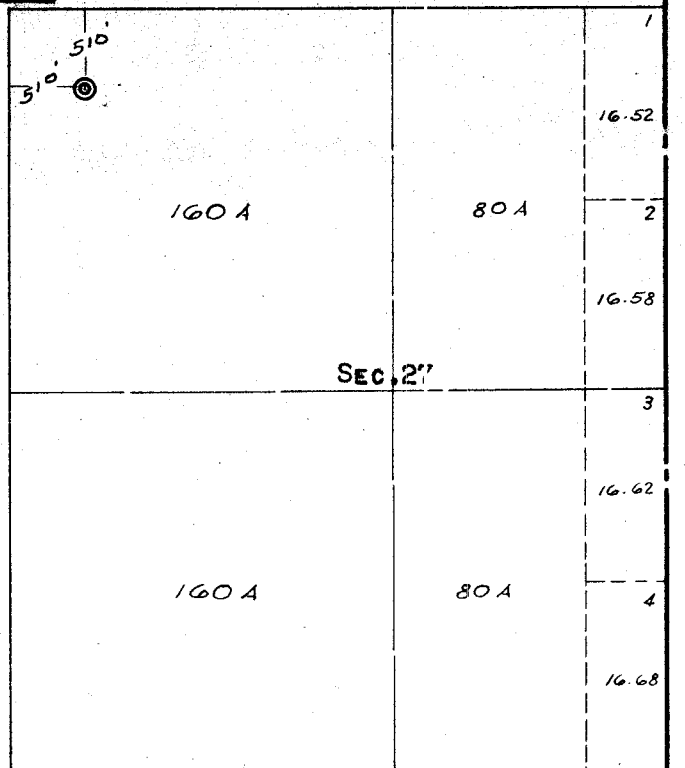
Lease No. \_\_\_\_\_

Location 510 FEET FROM THE NORTH LINE AND 510 FEET FROM THE WEST LINE.

Being in NW $\frac{1}{4}$ NW $\frac{1}{4}$

Sec. 27, T41<sup>S</sup>, R26<sup>E</sup>, ~~11N11E~~, SALT LAKE MERIDIAN, SAN JUAN COUNTY, UTAH. MP 14

Ground Elevation 4913

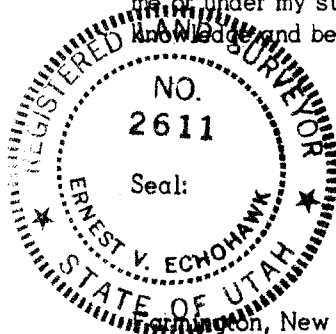


SCALE, 4 INCHES = 1 MILE.

COLO.  
UTAH

Surveyed SEPTEMBER 20, 19 64

This is to certify that the above plat was prepared from field notes of actual surveys made by me or under my supervision and that the same are true and correct to the best of my knowledge and belief.



Albuquerque, New Mexico

*Ernest V. Echohawk*

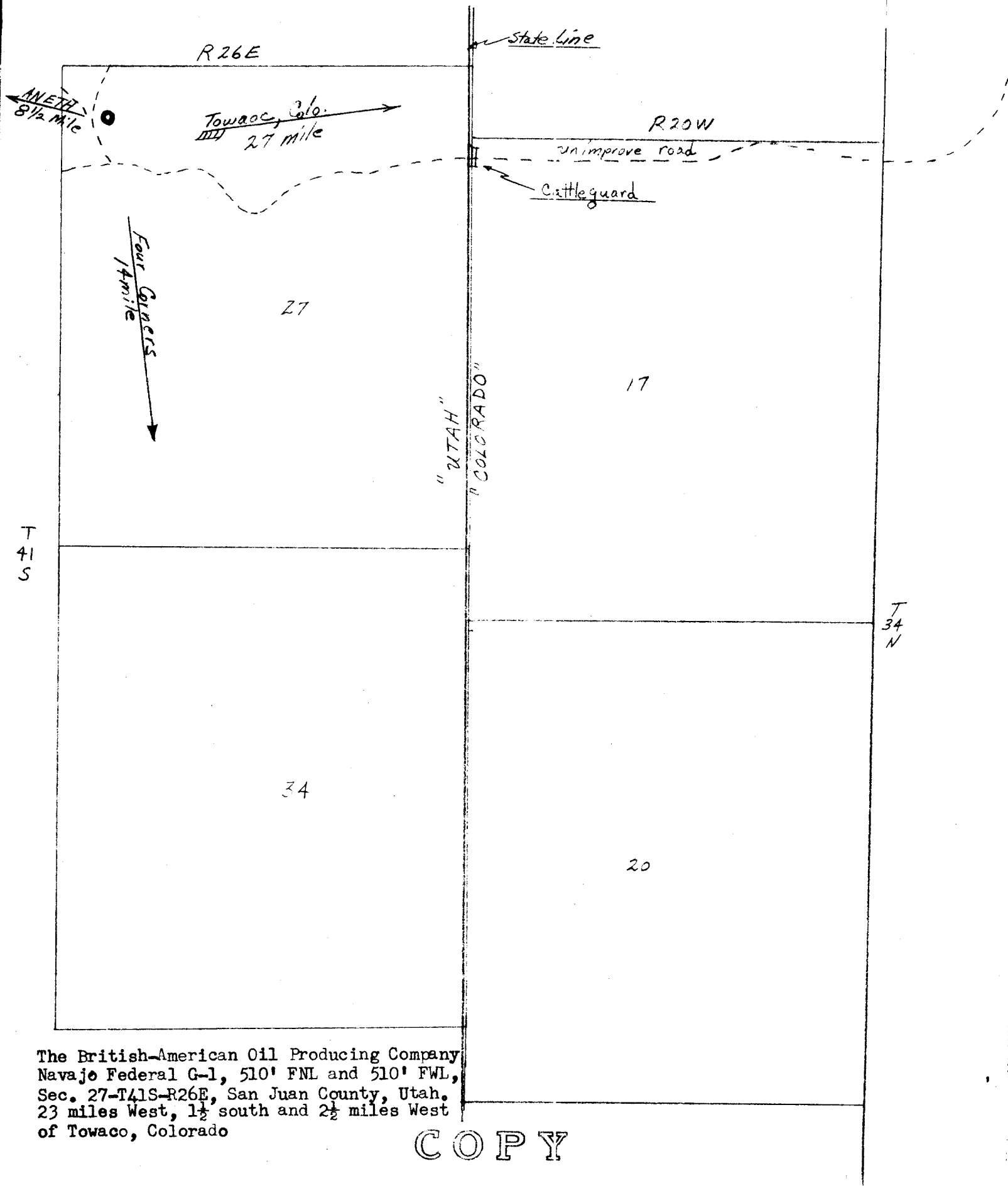
Ernest V. Echohawk

Registered Land Surveyor

N. M. Reg. #1545

UTAH REG. No. 2611

# THE BRITISH-AMERICAN OIL PRODUCING COMPANY



The British-American Oil Producing Company  
 Navajo Federal G-1, 510' FNL and 510' FWL,  
 Sec. 27-T41S-R26E, San Juan County, Utah.  
 23 miles West, 1 1/2 south and 2 1/2 miles West  
 of Towaco, Colorado

COPY

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Production & Engineering  
Departments  
P. O. Drawer 330  
Farmington, New Mexico

September 23, 1964

U. S. Department of the Interior  
Geological Survey  
P. O. Box 1809  
Durango, Colorado

Attn: Mr. Jerry Long, District Engineer

Re: Navajo Tribal - 14-20-0603-8411  
Section 27-T41S-R26E  
San Juan County, Utah

Gentlemen:

Attached please find the original and three copies of Form 9-331C  
"Application for Permit to Drill" for our Navajo Tribal G-1, Section  
27-T41S-R26E, San Juan County, Utah.

Form 9-1123 "Designation of Operator" is being mailed your office today  
from our Denver Office under separate cover.

Yours very truly,

THE BRITISH-AMERICAN OIL PRODUCING CO.

Original Signed By:

Nae R. Stone  
Nae R. Stone, Field Superintendent

CML:s

attach.

cc: Mr. Thomas M. Hogan  
Utah OC

COPY

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

September 23, 1964

U. S. Department of the Interior  
Geological Survey  
P. O. Box 1809  
Durango, Colorado

Attention: Mr. Jerry Long  
District Engineer

Re: Contract No. 14-20-0603-8411  
Navajo Lease  
San Juan County, Utah

Gentlemen:

Enclosed in triplicate is "Designation of Operator" to cover lands embraced by subject lease contract. While both The British-American Oil Producing Company and Pubco Petroleum Corporation are lessee's of record of these lands, the attached instrument designates the British-American Oil Producing Company as Operator.

It is our understanding that our Field Superintendent at Farmington, New Mexico, is submitting today Notice of Intention to Drill the first well on this lease.

Very truly yours,

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Thomas M. Hogan  
District Superintendent

AHH/seh

Enclosures

cc: State of Utah  
Oil & Gas Conservation Commission  
348 East South Temple  
Suite 301  
Salt Lake City, Utah

cc: F. A. Norris  
N. R. Stone

COPY

(Submit in Triplicate)

Supervisor, Oil and Gas Operations:

DESIGNATION OF OPERATOR

Navajo Tribe of Indians

The undersigned is, on the records of the ~~Bureau of Land Management~~, holder of oil and gas lease

DISTRICT LAND OFFICE:

SERIAL NO.: Contract No. 14-20-0603-8411

and hereby designates

NAME: The British-American Oil Producing Company  
ADDRESS: P. O. Box 749  
Dallas, Texas 75221

as his operator and local agent, with full authority to act in his behalf in complying with the terms of the lease and regulations applicable thereto and on whom the supervisor or his representative may serve written or oral instructions in securing compliance with the Oil and Gas Operating Regulations with respect to (describe acreage to which this designation is applicable):

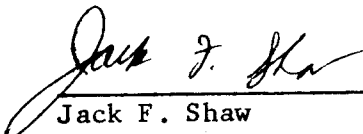
Township 41 South, Range 26 East, S.L.M.  
Section 21: All  
Section 22: All (fractional)  
Section 27: All (fractional)  
Section 28: All  
Containing 2,372.40 acres, more or less  
San Juan County, Utah

It is understood that this designation of operator does not relieve the lessee of responsibility for compliance with the terms of the lease and the Oil and Gas Operating Regulations. It is also understood that this designation of operator does not constitute an assignment of any interest in the lease.

In case of default on the part of the designated operator, the lessee will make full and prompt compliance with all regulations, lease terms, or orders of the Secretary of the Interior or his representative.


The lessee agrees promptly to notify the oil and gas supervisor of any change in the designated operator.

ATTEST:

  
\_\_\_\_\_  
Jack F. Shaw  
Assistant Secretary

September 21, 1964  
(Date)

PUBCO PETROLEUM CORPORATION

  
By: \_\_\_\_\_  
(Signature of Lessee)  
Frank D. Gorham, Jr.  
Executive Vice President  
P. O. Box 1419  
\_\_\_\_\_  
(Address)  
Albuquerque, New Mexico

September 24, 1964

The British-American Oil Producing Company  
P. O. Box 180  
Denver, Colorado 80201

Attention: Mr. Thomas M. Hogan, District Superintendent

Re: NOTICE OF INTENTION TO DRILL WELL NO.  
NAVAJO TRIBAL "G"-01, 510' FWL & 510'  
FWL, NW NW NW of Sec. 27, T. 41 S., R.,  
20 E., SEEM, San Juan County, Utah.

Gentlemen:

Insofar as this office is concerned, approval to drill is hereby granted.

As soon as you have determined that it will be necessary to plug and abandon the above mentioned well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL, Chief Petroleum Engineer  
Office: DA 8-5771 or DA 8-5772  
Home: CR 7-2890 - Salt Lake City, Utah

This approval terminates within 90 days if this well has not been spudded within said period.

Enclosed please find Form OGCC-8-X, which is to be completed if water sands (aquifers) are encountered while drilling, particularly assessable near surface water sands. Your cooperation with respect to completing this form will be greatly appreciated.

Very truly yours,

OIL & GAS CONSERVATION COMMISSION

CLEON H. FEIGHT  
EXECUTIVE DIRECTOR

CBF:kgw

cc: H. L. Coonts, Pet. Eng., Oil & Gas Conservation Commission, Moab, Utah  
P. T. McGrath, Dist. Eng., U. S. Geological Survey, Farmington, New Mexico



UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIP  
(Other instruction,  
verse side)TE\*  
re-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

14-20-0603-E411

6. IF INDIAN ALLOTTEE OR TRIBE NAME

Navajo Tribal

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo Tribal G-1

9. WELL NO.

G-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

27-418-268

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1.

OIL WELL ☒ GAS WELL ☐ OTHER

2. NAME OF OPERATOR

The British-American Oil Producing Company

3. ADDRESS OF OPERATOR

P. O. Drawer 330, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

510' FNL and 510' FWL

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GI, etc.)

4916' GL

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON\*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT\*

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

TIGHT HOLE

TIGHT HOLE

TIGHT HOLE

Spudded at 9:00 PM October 6, 1964. Drilled 11" hole to 321'. Reamed to 17 1/2" hole to 321'. Ran 11 joints 13-3/8" H-40 8-R 48# ST&C casing, total 331.59', landed at 317' KB. Cemented with 260 sacks regular 2% Cacl2. Used top plug, displaced plug to 297' KB. Good circulation during job, good returns to surface. Plug down at 9:15 AM 10-8-64.

18. I hereby certify that the foregoing is true and correct

SIGNED

TITLE

Field Superintendent

DATE

10-10-64

(This space is for the office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE\*  
(Other instructions on re-  
verse side)

Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. 14-20-0603-8411

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo-Tribal

9. WELL NO.

11G #1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

27-41S-26E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1.

OIL WELL ☐ GAS WELL ☐ OTHER ☒ Drilling Well

2. NAME OF OPERATOR

The British-American Oil Producing Company

3. ADDRESS OF OPERATOR

P. O. Box 180, Denver, Colorado 80201

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

510' SNL & 510' EWL (NW NW) Section 27

14. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GL, etc.)

4916' GL 4928' KB

16.

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANS ☒

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

---TIGHT HOLE----

Notice of Intention to Drill subject well included a provision for an 8-5/8" OD intermediate string of casing to be cemented at approximately 1200' depth to protect against shallow water-bearing formations. These water-bearing formations are known to exist in the general area and a protection string of casing was provided in the drilling program for this well in the event water was encountered.

An 11" hole was drilled out from under surface casing (see subsequent report of setting surface casing) to a depth of 1614'. Top of Chinle formation encountered at 1490'. No indication of water flow from bottom of surface casing to 1614'. It has been determined that the 8-5/8" OD intermediate string will not be required and the casing program indicated by Notice of Intention to Drill has been changed accordingly.

This Change of Plans was discussed with, and verbally approved by, Mr. Dick Krahli with USGS.

18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed By:  
Thomas M. Hogan

TITLE District Superintendent

DATE October 12, 1964

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

\*See Instructions on Reverse Side

UN' D STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN TRIPL  
(Other instructions  
reverse side)E\*  
re-Form approved.  
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

Cont. 14-20-0603-8411

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

Navajo

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Navajo-Tribal

9. WELL NO.

Bkt G-1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLK. AND  
SURVEY OR AREA

27-41S-26E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> <b>Drilling Well</b>	15. ELEVATIONS (Show whether DF, RT, GR etc.)
2. NAME OF OPERATOR <b>The British-American Oil Producing Company</b>	16. 4916' GL
3. ADDRESS OF OPERATOR <b>P. O. Drawer 330, Farmington, N.M.</b>	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.) At surface <b>510' SML and 510' EML, Sec. 27</b>	
14. PERMIT NO.	

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☒CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Drilled to total depth of 5950'. Ran dual induction-lateral log from surface to TD.  
Ran Gamma-Sonic-Caliper from 4500' to TD. Log tops as follows:

Navajo	1115'
Wingate	1300'
Chinle	1513'
Shinarump	2685'
DeChelly	2878'
Organ Rock	2980'
Hermosa	4730'
Ismay	5656'
Paradox Shale	5785'
Desert Creek	5850'
Base of Desert Creek	5950'

Proposed to plug as follows:

5800 - 5600' - 57 sack plug  
4800 - 4700' - 28 sack plug  
3000 - 2850' - 46 sack plug  
1350 - 1200 - 76 sack plug  
10 sack plug to surface

Above in accordance with verbal conversation with Mr. McGrath of 10-30-64.

18. I hereby certify that the foregoing is true and correct

SIGNED Original Signed By:TITLE Field SuperintendentDATE 10-31-64

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_  
CONDITIONS OF APPROVAL, IF ANY:

TITLE \_\_\_\_\_

DATE \_\_\_\_\_

1 copy K  
1 copy Navy  
1 copy Penn

**PLUGGING PROGRAM FORM**

Name of Company British American Verbal Approval Given To: Lila

Call Times: Mon. G-1 Sec. 27 T. 41 IL. 26 County: San Juan

Verbal Approval was given to plug the above mentioned well in the following manner:

Running Logs

DST - 5748 - 84 - Weak blow - No gas  
4300 16' out of gas estimated  
T.D. 5950.

Since no logs or logs  
will be available until late  
this evening, I instructed Mr. Lila  
to follow the plugging program  
that the A. S. G. S. will give.



Officially Approved: Oct. 30 1964 Signed: Paul H. R.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEYSUBMIT IN 1  
(Other instructions  
reverse side)TE\*  
re-Form approved.  
Budget Bureau No. 42-R1424.

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.  
Use "APPLICATION FOR PERMIT" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> <b>Drilling well</b>	5. LEASE DESIGNATION AND SERIAL NO. <b>Cont. 14-20-0603-8411</b>
2. NAME OF OPERATOR <b>The British-American Oil Producing Company</b>	6. IF INDIAN, ALLOTTEE OR TRIBE NAME <b>Hawajo</b>
3. ADDRESS OF OPERATOR <b>P. O. Box 330, Farmington, N. M.</b>	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (See also space 17 below.) At surface <b>510' SKL and 510' BML, Sec. 27</b>	8. FARM OR LEASE NAME <b>Hawajo Tribal</b>
14. PERMIT NO.	9. WELL NO. <b>6-1</b>
15. ELEVATIONS (Show whether DF, RT, GR, etc.) <b>4916' OL</b>	10. FIELD AND POOL, OR WILDCAT <b>11-20-27</b>
	11. SEC., T., R., M., OR BLM, AND SURVEY OR AREA <b>24- 27-415-245</b>
	12. COUNTY OR PARISH <b>San Juan</b>
	13. STATE <b>Utah</b>

## 16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

## NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON\* ☐CHANGE PLANS ☐

## SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) ☐REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT\* ☒

(NOTE: Report results of multiple completion, well completion or recompletion report on Log 200.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

Well plugged as follows:

5800 - 5600' - 1 plug - 57 sacks

4800 - 4700' - 1 plug - 28 sacks

3000 - 2850' - 1 plug - 46 sacks

1350 - 1200' - 1 plug - 76 sacks

10 sack plug to surface.

Final plug down at 6:00 AM 10-31-64. Well is plugged and abandoned.  
Dry hole marker has been erected.

18. I hereby certify that the foregoing is true and correct

SIGNED

Original Signed By: TITLE

Nae R. Stone

Field Mgt.

DATE

11-2-64

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-  
structions on  
reverse side)Form approved.  
Budget Bureau No. 42-R355.6

## WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☒ Other ☐b. TYPE OF COMPLETION: NEW WELL ☐ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other ☐

2. NAME OF OPERATOR

The British-American Oil Producing Company

3. ADDRESS OF OPERATOR

P. O. Drawer 330, Farmington, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface

510' SNL and 510' EML

At top prod. interval reported below

At total depth

Same

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

10-6-64

16. DATE T.D. REACHED

10-30-64

17. DATE COMPL. (Ready to prod.)\*

Dry

10-31-64 PERM

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\*

4916 GL

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD &amp; TVD

5950'

21. PLUG, BACK T.D., MD &amp; TVD

22. IF MULTIPLE COMPL.,  
HOW MANY\*23. INTERVALS  
DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\*

None

25. WAS DIRECTIONAL  
SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

Ind-Internal, Gamma-Sonic-Caliper

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	317'	19 1/2"	260	None

29. LINER RECORD \*

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
None					None		

31. PERFORATION RECORD (Interval, size and number)

None

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
None	

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD ( <i>Flowing, gas lift, pumping—size and type of pump</i> )				WELL STATUS ( <i>Producing or shut-in</i> )	
None						None	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
			→				
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
		→					

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Nae R. Stone

TITLE

Field Supt.

DATE

11-20-64

(See Instructions and Spaces for Additional Data on Reverse Side)

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completions), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29: "Sacks Cement":** Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

## 37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	GEOLOGIC MARKERS	
					38.	39.
Navajo	1115		EST NO. 1 - 5748-5724. Tool open 15 min.; shut in 30 min.; open 90 min. and shut in 60 min. Very weak blow increasing to weak blow during first flow, very weak blow throughout during second flow. No gas to surface, recovered 1300' of gas in drill pipe and 480' of total fluid, c/o 165' of oil & gas cut mud, 315' gas cut salt water. INP 3163, 1st flow 58 to 87 psig, 2nd flow 57-239, PSIP 2077, PHP 3133. All packers held.			
Wingate	1300					
Chinle	1513					
Shinarump	2685					
DeChelly	2878					
Organ Rock	2980					
Hermosa	4730					
Ismy	5636					
Pareder Shale	5785					
Desert Creek	5850					
Base of Desert Creek	5950					
			Flagged well gas follows: 5800 - 5600' - 57 sack plug 4800 - 4700 - 26 sack plug 3000 - 2850 - 46 sack plug 1350 - 1200 - 76 sack plug 10 sack plug to surface			

NOV 24 1964

STATE OF UTAH  
OIL & GAS CONSERVATION COMMISSION  
310 NEWHOUSE BUILDING  
SALT LAKE CITY 11, UTAH

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name & Number: Navajo Tribal G-1

Operator British-American Oil Prod. Co. Address P.O. Drawer 330 Phone 325-9793  
Farmington, N.M.

Contractor Arapahoe Address P. O. Box 2273 Phone \_\_\_\_\_  
Denver, Colorado

Location: 1/4 1/4 Sec. 27 T. 41S R. 26E \_\_\_\_\_  
S W San Juan County, Utah.

Water Sands:

<u>Depth</u>		<u>Volume</u>	<u>Quality</u>
<u>From</u>	<u>To</u>	<u>Flow Rate or Head</u>	<u>Fresh or Salty</u>
1.	<u>None</u>		
2.			
3.			
4.			
5.			

(Continued on reverse side if necessary)

Formation Tops:

TIGHT HOLE

TIGHT HOLE

Drilled 11" hole to 1614'. No indication of water flo. Top of Chinle at 1490'. Reduced hole from 11" to 7-7/8" at 1614'.

NO INTERMEDIATE CASING SET

Remarks:

**NOTE:** (a) Upon diminishing supply of forms, please inform the Commission  
 (b) Report on this form as provided for in Rule C-20, General Rules  
 and Regulations and Rules of Practice and Procedure. (See back of form)



## GEOLOGICAL COMPLETION REPORT

Well Classification: Wildcat  
Prospect: Marble Wash  
State and County: San Juan County, Utah  
Operator, Well No. and Farm: British-American-Pubco Navajo Tribal OG #1  
Location: 510 FN & W/L Sec. 27-41S-20E

### WELL DATA

Commenced Drilling: 10-6-64  
Completed Drilling: 10-30-64  
Contractor: Arapahoe Drilling  
Casing Record: 13-3/8" OD 45# H-40 @ 317' 8" w/ 200 sack  
Elevation: 4916 GL; 4926 KB  
Total Depth and Datum: 5957' (-1925)  
PBTD, Datum and Formation: None

### COMPLETION DATA

Producing zone: None  
Perforations: None  
Treatment: None  
Initial Production: P&A 10-30-64

### GEOLOGICAL DATA

#### Logging Data

Samples: From surface to TD      Stored at: B-A Farmington office

Dual Induction Laterolog: 320' to 5957'

Damma-Sonic-Caliper: 320' to 5957'



Navajo Tribal "G" #1, San Juan County, Utah

Formation Record:

<u>Name</u>	<u>Sample Top</u>	<u>Schl. Top</u>	<u>Schl. Datum</u>	<u>Fluid Content</u>
Chinle	1490	1513	+3415	
Hermosa	4740	4730	+198	
Ismay	5670	5656	-728	Salt Water
Paradox Shale	5800	5785	-857	
Desert Creek	5860	5850	-922	
TD		5957	-1029	

Core Record:

None

Drill Stem Test Record:

DST #1 5748-5784(Ismay) Initial open 15 min. Shut in 30 min. Final Open 90 min. Final shut in 60 min. Weak blow throughout test. Recovered 100' oil and gas cut mud and 315' gas cut salt water. ISIP 2077#, IFP 58 to 27#, FFP 37 to 259#, FSIP 2077#, HP 3161/3133#.

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P. L. Yager

British-American & Pubco #1 "G" Navajo  
NW NW Sec. 27-41S-26E  
San Juan County, Utah

Sample Description

4400-10	10% grn sh, 90% red shale		
20	10% " 90% " some sdy		
30	10% " 90% "		
40	10% " 90% "		
50	Tr pink ls 10% grn sh, 90% red sh, little sdy		
60	Tr pink & gry fxln Ls, 10% grn sh, 90% red sh		
70	10% " " 90% " "		
80	10% " " 90% " "		
90	Tr " " 90% " "		
4500	Tr " 100% " "		
4500-10	Tr " 100% " "		
20	Tr " 100% " "		
30	Tr " 100% " "		
40	10% " 100% " "		
50	Tr " 100% " "		
60	10% " 90% " "		
70	10% " 90% " "		
80	Tr " 100% " "		
90	Tr " 100% " "		
4600	Tr " 90% " "	10% grn m ss	
4600-10	20% gry fxln Ls, 10% gry black sh	20% grn sh	50% red sh aa
20	20% " " "	20% " "	50% "
30	30% " " "	20% " "	50% " tr gry ss
40	20% " " "	10% " "	50% "
50	10% " " "	Tr " "	80% " sh sdy
60	20% " " "	60% red sh	
70	10% " " "	70% " "	
80	Tr " " "	80% " "	
90	10% " " "	80% " "	
4700	Tr " " "	90% " "	
4700-10	10% " " "	10% " "	60% red sh
20	10% " " "	10% " "	60% " "
30	10% " " "	10% " "	60% " "
40	10% " " "		
50	10% " " "	20% " "	10% grn " 60% " "
60	Same		
70	40% " to gry blk sh	60% red sh	
80	10% " " "	10% gr sh	80% red sh
90	30% " fxln ls	20% gry blk sh	10% grn sh 40% " "
4800	30% " " "	30% " " "	40% " "
4800-10	40% " " "	20% " " "	40% " "
20	30% " " "	20% " " "	50% " "
30	20% " " "	20% " " "	60% " "
40	30% " " "	40% " " "	30% " "
50	30% " " "	40% " " "	10% red sh 20% gry f ss
60	30% " " "	40% " " "	20% " " 10% " "
70	30% " " "	50% " " "	10% " " 10% " "
80	50% " " "	30% " " "	20% " "
90	50% " " "	20% " " "	30% " " Tr gry cht
4900	50% " " "	20% " " "	30% " " Tr " "
4900-10	60% " " "	20% " " "	
20	50% " " "	30% " " "	
30	50% " " "	30% " " "	

## British-American &amp; Pubco #1 "G" Navajo

NW NW Sec. 27-41S-26E

San Juan County, Utah

Pg. 2

Sample Description

4900-40	40% gry fxln ls	30% gry blk sh	30% red sh
50	30% " "	30% " "	40% " "
60	40% " "	20% " "	40% " "
70	Tr " "	40% " to gry blk sh	60% " "
80		30% " " "	70% " "
90	Tr " sdy Ls	30% " " "	70% " "
5000		30% " " "	70% " "
5000-10	Tr tan fxln Ls	30% " " "	70% " "
20	" " " "	30% " " "	70% " " tr gry f ss
30	" " " "	30% " " "	70% " "
40	30% gry tan fxln Ls	30% " " "	40% " "
50	40% " " "	30% " " "	30% " "
60	30% " " "	30% gry blk sh	30% " sl 10% gry t ss
70	40% " fxln sl foss Ls	30% " " "	30% " sh
80	30% " " "	40% " " "	30% " "
90	30% " " "	50% " " "	20% " to red-brown sh
5100	30% " tan fxln Ls	20% " " "	30% gry fss 20% " "
5100-10	20% " " "	30% " " "	Tr " 50% " "
20	30% " " "	30% " " "	Tr " 40% " "
30	30% " " "	20% " " "	50%
40	30% " " "	20% " blk sh	30% red sh 20% clr cht
50	30% " " "	20% " " "	40% " " 10% " "
60	30%	20% " " "	40% " " 10%
70	80% " fxln Ls	10% " " "	10% " " Tr
80	80% " " "	20% " " "	Tr " " Tr
90	80% " " "	20% " " "	Tr " " Tr
5200	30% " " "	40% " " "	30% " "
5200-10	Skip		
20	40% " " "	30% " " "	30% " "
30	30% " " "	20% " " "	50% " "
40	20% " " "	30% " " "	50% " "
50	20% " " "	20% " " "	60% " "
60	40% " " "	30% " " "	30% " "
70	70% " " "	20% " " "	10% " "
80	70% " " "	20% " " "	10% " "
90	70% " " "	20% " " "	10% " "
5300	50% " " "	40% " " "	10% " "
5300-10	60% " & tan fxln Ls	30% " " "	10% " "
20	50% " " "	40% " " "	10% " "
30	30% " " "	60% " " "	10% " "
40	Same		
50	Skip		
60	20% " " "	40% " " "	30% " " 10% grn sh
70	10% " " "	60% " " "	30% " " Tr " "
90		80% " " "	20% " " Tr gry fss
5400		80% gry blk to blk sh	20% " "
5400-10	20% gry fxln Ls	40% gry blk sh	40% " "
20	20% " " "	40% " " "	40% " "
30	Tr " " "	50% " " "	40% " " 10% grn sh
40	70% " " "	20% " sh	10% " "

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## British-American &amp; Pubco #1 "G" Navajo

NW NW Sec. 27-41S-26E

San Juan County, Utah

Pg. 3

Sample Description

5400-50	80%	gry fxln Ls	10%	gry sh	10%	red sh
60	20%	" " "	50%	" "	30%	" "
70		Skip				
80	10%	tan & gry fxln Ls	40%	" "	50%	red, purple & brn sh
90	10%	" "	50%	" blk sh	40%	" , red brn sh
5500	10%	" "	40%	" "	50%	" " "
5500-10	20%	" "	40%	" "	40%	" "
20	10%	gry fxln Ls	30%	" " "	60%	" "
30	10%	" "	30%	" " "	60%	" "
40	20%	" "	40%	" " "	40%	" "
50	20%	" "	40%	" " "	40%	" " Tr wh cht Tr gr ss
60	40%	" " "	40%	" " "	20%	" & red brush, Tr gry cht
70	50%	" " "	20%	" " "	30%	" " Tr "
80	70%	" " dns silic	20%	blk sh	10%	" sh Tr gry cht
90	70%	" " "	20%	" "	10%	" "
5600	70%	" " some sdy	20%	" & gr, blk sh	10%	" " Tr " "
5600-10	40%	" " "	30%	" "	30%	" "
20	30%	" " to dns Ls	30%	gry & gry blk sh	40%	" "
30	30%	" " " "	60%	" blk & blk sh	10%	" " Tr
40	50%	" " " "				
		Argil Ls	40%	" "	10%	" "
50	60%	" tan & brn fxlns	30%	" "	10%	" "
60	10%	" "	80%	" "	10%	" "
70	20%	" "	70%	" "	10%	" "
80	20%	" "	70%	" "	10%	" "
90	40%	" "	60%	" "		
5700	40%	" "	60%	" "		
5700-10	30%	" "	40%	" "		
19	20%	tan vy f gran tite oil stained dol w/fluor & cut 70% gry f grain & fxln dns Ls 10 gry blk sh, Tr red sh (5' drlg. break) does not appear to warrant test.				
5710-20	aa					
30	40%	gry f gran to dns, fxln, Tr oil stained dol aa				
	60%	gry black sh, Tr red sh				
40	30%	gry fxln Ls, 60% blk sh, 10% red sh				
50	40%	" " " 50% " " 10% " "				
60	50%	" " & crm f gran Ls tite 40% blk sh 10% red sh				
65	50%	" " " " 40% " " 10% " "				
30 min circ	70%	" " 20% " " 10% " "				
70	70%	" " 20% " "				
75		Same				
80	10%	taz f grn lt oil stained dol 10% gray fxln Ls, 80% clay Ls, little of lime fos.				
Cire 15 min @ 84	aa					
30 min @ 84	aa					
45 min @ 84	20%	tan f grn pp por H oil stained Ls, 80% tan f grn Ls				
60 min @ 84	30%	tan f grn pp por dol sl stain fair fluor				
7	70%	tan to crm f grn to ck Ls aa				
5784-90	30%	tan f grn dol w/sl stain 70% tan f gran Ls				
5800	30%	" " 60% tan f gran Ls 10% blk sh				

British-American & Pubco #1 "G" Navajo

NW NW Sec. 27-41S-26E

San Juan County, Utah

Pg. 4

Sample Description

5800-10	30% tan f grn dol w/sl stain	70% tan f gran Ls	10% Blk sh	
30	30% " " " little w/pp por	40% "	30% " "	
20	30% " " "	10% tan f gran Ls	60% " "	
30	40% " " to dn occ sl pp por Ls		60% " "	
40	10% " " Tr gyp		90% " "	
50	Tr "		100% " "	
60	20% gry dirty f gran Ls,	10% gry f gran Ls	70% " " Tr gyp	
70	20% tan f gran Ls	80% Blk sh Tr gyp		
80	20% Gry & tan f gran to xln Ls	80% " "		
90	30% " " Little fos	70% " "		
5900	40% " dirty shly Ls	10% tan f gran Ls	10% Anhy	30% blk sl
5900-10	40% " "	10% gry fxln Ls 10% tan f/	Tr " 40% "	
20	40% " & tan f gran shly dol,	20% " & tan f gran Ls "	10 " 30 "	
30	30% " f gran shly dol	20% " fxln Ls	Tr " 50% "	
40	30% " " " "	20% " " "	Tr " 50% "	
50	10% " fxln Ls	10% " sh	10% " 70% "	

CONFIDENTIAL

THE BRITISH-AMERICAN OIL PRODUCING COMPANY

Production & Engineering  
Departments  
P. O. Drawer 310  
Farmington, New Mexico

December 1, 1964

United States Geological Survey  
P. O. Box 959  
Farmington, New Mexico

Re: Navajo Tribal G-1, Sec. 27-41S-26E  
San Juan County, Utah

Gentlemen:

Forwarded herewith for your information and file is the Geological Completion Report for our Navajo Tribal G-1, 510' FWL and 510' FWL of Section 27-41S-26E, San Juan County, Utah.

If additional information is desired, please advise.

Yours very truly,

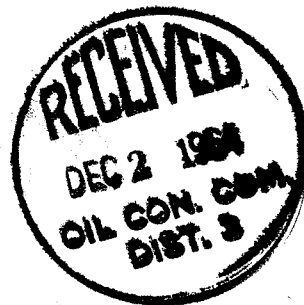
THE BRITISH-AMERICAN OIL PRODUCING CO.

Nas R. Stone, Field Superintendent

CML:s

Attn.

*Utah OCC - Salt Lake*  
cc: ~~MMCC - Antec~~  
P&E - Dallas  
Mr. Thomas M. Hogan 1/a



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